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## UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

WASHINGTON, D. C. H. H. BENNETT, CHIEF MAR 20 1939

## PRECIPITATION IN THE MUSKINGUM RIVER BASIN DECEMBER, 1938



By

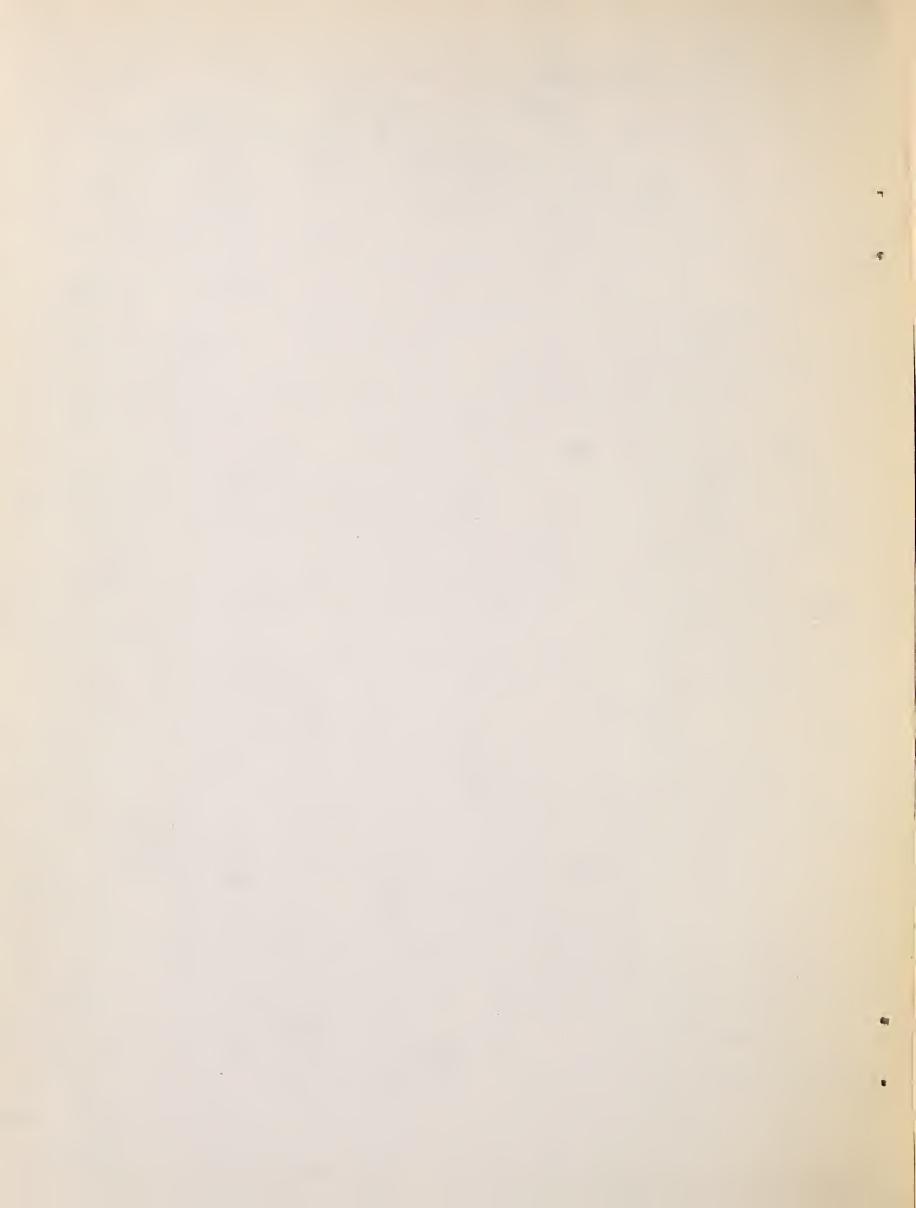
Division of Research, Soil Conservation Service Section of Climatic & Physiographic Research

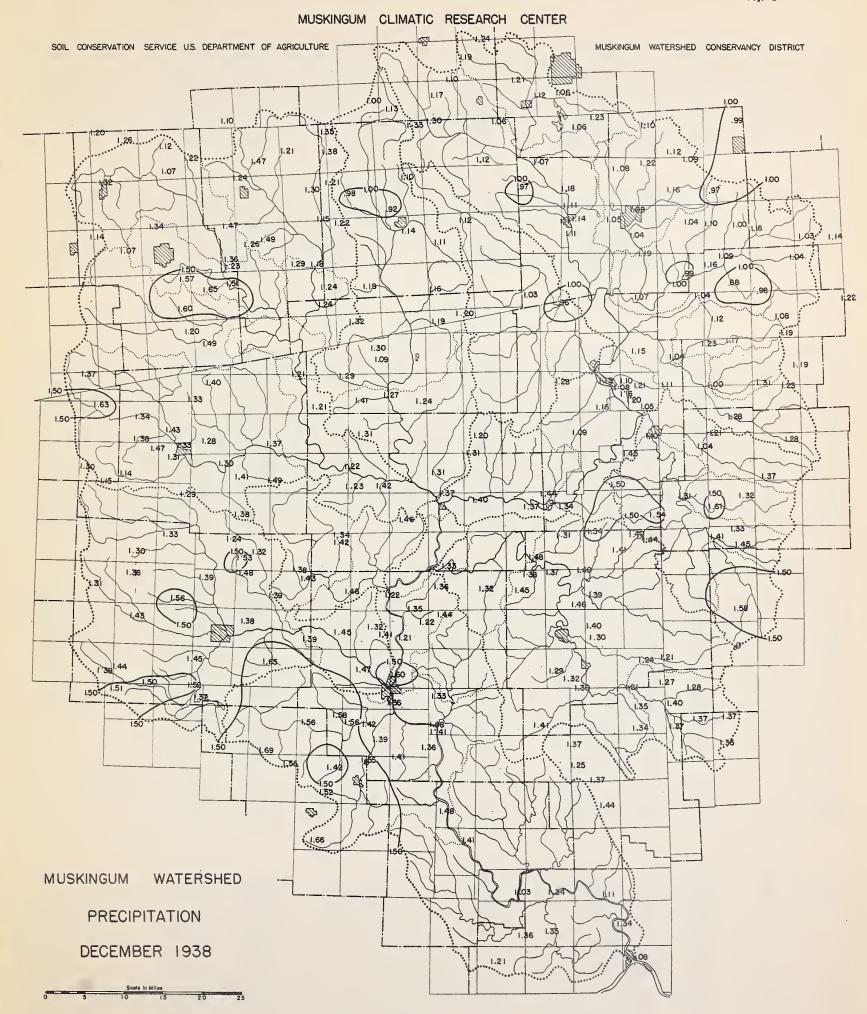
and

Muskingum Watershed Conservancy District







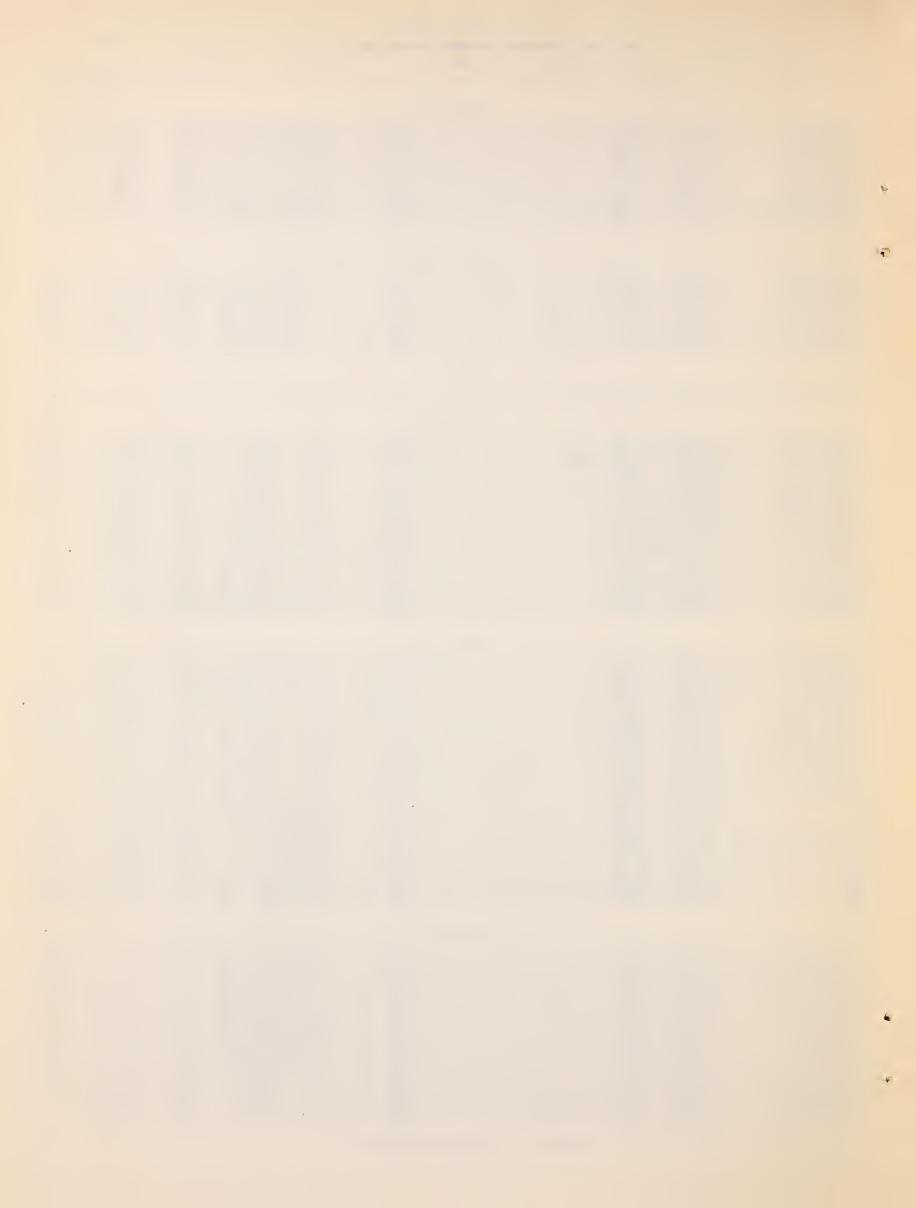




Page 3 MONTHLY SUMMARY OF PRECIPITATION FOR DECEMBER, 1938 BY DAYS ENDING AT 8:00 a.m.

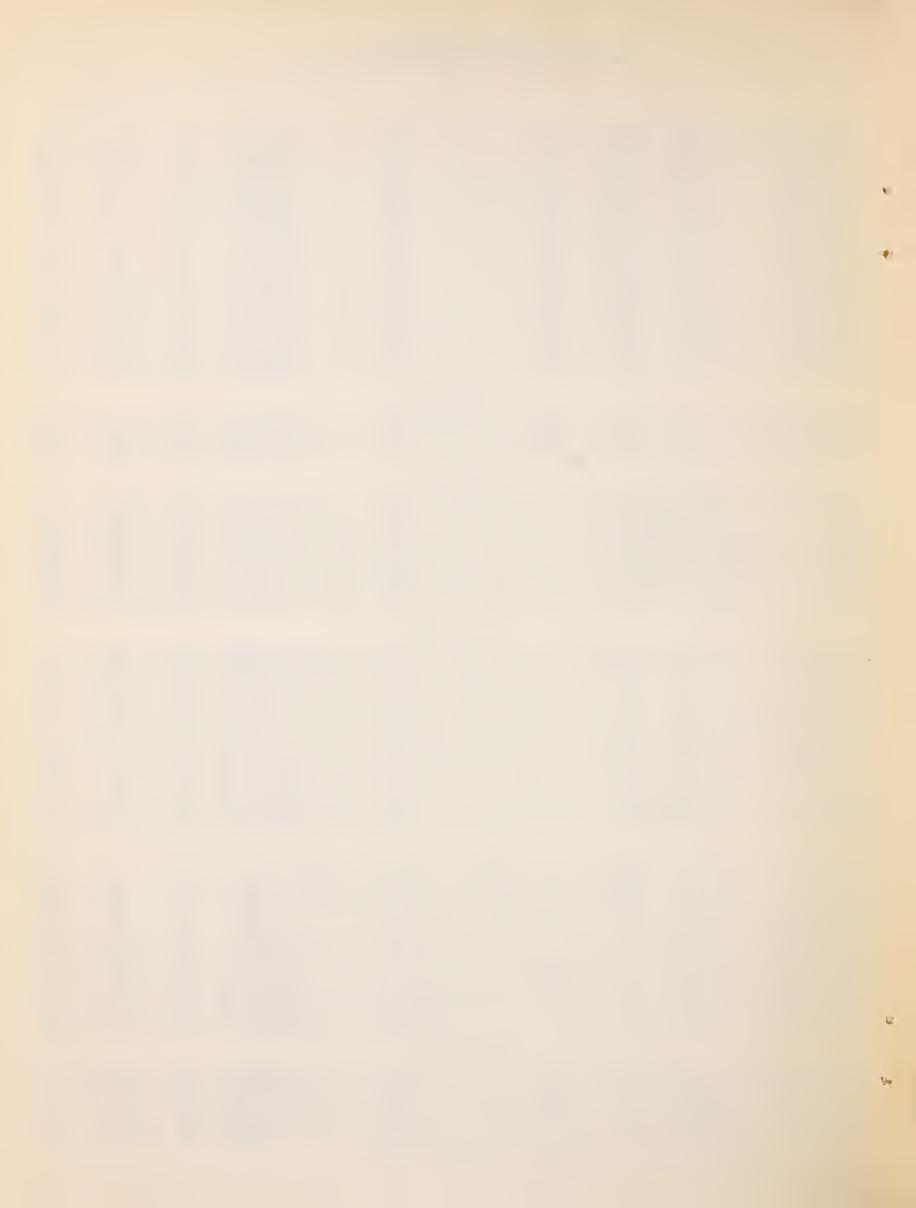
STA.				DATE				
NO. NAME	1 2 3 4	5 6 7	8 9 10 3	11 12 13 14 1	15 16 17 18	19 20 21 22 23 24	<b>25 26 27 28 2</b> 9 3	O 31 Total
7.2 77	191 101	20 1 178		MEDINA COUNTY I			/2.	
11 Pruncutz, Eli 16 Gamble, John 19 Dutt, Glenn	.18 .19 .20 .17	•20 NR •08 •02			•01 •01	00 00 00 00 00 00 00 00 00 00 00 00 00	•42 •01 •48 NR •49 •01	1.19
20 Tramonte, A. J. 22 Clinesmith, Lloyd	.16 .19 .18 .21	.14 .01 NR .01			•01 NR	.02 .13 .06 .01 .01 .01 .01	.51 .01 .60 .02	1.24
24 Lees, Fred A. 26 Holdeman, Pearl	.16 .18 .18 .14	•15 •02 •12 •01			•02	.01 .01 .07 .03 .02 .06 .06 .01 .02	NR .01	1.10
28 Everhard, Carol 32 Repp. Fred L.	•15 •17 •15 •18	•10			•01	NR NR •04 NR •01 •01 •01	•58 •01 •50 •01	1.00
33 Pifer, Mrs. Dora 34 McDenald, Mrs. Emma	.17 .24 .18 .28	•07 •01 •16 •02			•01	•01 •01 •05 •01 •01 •01 NR NR NR	• 59 NR NR NR	
35 Leatherman, Elvin 43 Allen, Harvey L.	.16 .19	•10 •01 •14 •01			•01	.02 .01 .05 .01 .02   .01 .01 .05 .01	•58 •01 •45 •01	1.17
				SUMMIT COUNTY I	NO. 2			
6 Boehme, Richard 10 Stump, Robert W.	.14 .10	.08 .01			.01	.08 .03	NR •O1	
10 Stump, Robert W. 16 Ley, Theodore 18 Green, John	.16 .16 .16 .12 .07 .12	.11 .03 .15 .03 .08 .01	•01		.01 .01	.16 .08 .01   .07 .05 .01   NR .08 .01	.48 .01 .45 .01	1.06
24 Clauss, Leo 27 Haring, William	.16 .13	•12 •01 •10 •01	•01		•01	NR .08 .01 .07 .09 .01 .10 .08 .01 .01	.38 .01 .51 .01 .46 .01	1.12
28 Beegle, Merton A. 29 Hawke, Fred E.	•15 •17 •13 •12	•11 •01 •07 •03	•01		.01	09 .11 .01 .02 NR NR NR .01	•53 •01 •52 •02	1.23
30 Kreitz, Alfred F. 32 Fosnight, S. L.	•12 •12 •15 •20	.08 .02 .08 .03	.01		•02	NR •06 •01 •01 NR •04 •01	•41 •01 •47 •01	
				PORTAGE COUNTY	NO. 3			
3 Rufener, Carl	•10 •15	•08   •02	.01		.02	.03 .10 NR	NR .01	
				RICHLAND COUNTY				
2 Post, Fred E. 3 Backensto, Ira E. 5 Amstutz, Edwin	.17 .25 .18 .29 .16 .20	.21 .03 .18 .03 .11 .05			•04	.01 .07 .01 .01 .06 .01	•40 •01 •46 •02 •52 •01	1.20 1.26 1.12
9 Gundrum, Perry 11 Winters, M. L.	NR NR NR .11 .24	NR NR •06 •05			NR .01	•01 NR NR •01 •03 •01	.65 .01 .54 .01	1.07
12 McMillan, Wade 14 Dewey, Arthur L.	•16 •25 •01 •15 •31	•10 •06 •16 •05			•01	•01 •05 •01 •01 •09 •02	.56 .01 .45 .04	1.22
19 Spiess, Mrs. Laura 25 Walker, Robert	NR NR NR 07 .26 .03	NR NR .13 .04			NR NR	NR .08 .01	•40 •01 •52 •01	1.14
27 Paul Gages Airport 28 Wagner, Mrs. Fred	.09 .28 .03 .12 .34 .04	.13 .03			•01	.01 .06 .01 .01 .05 .02	.45 .01 .55 .03	1.07
29 Gimbel, Paul 32 Shanaberger, J. E. 41 Finney, Ross	NR NR NR NR NR NR NR NR •06 •33 •01	NR NR			02 NR NR 01	01 05 01   01   01   02   05   01   01   02   05   01   01   01   01   01   01   01	•44   •01     NR   •03     •67   NR	
42 Smith, N. E. 43 McClurg, Homer L.	.08 .40 .02	•20 •03 •21 •03			.01 .01 .01 .01	01 01 01 01 01 01 01 01 01 01 01 001 00	.68 .01 .72 .01	1.57
44 Fox, H. J. 45B Markley, Charles	•11 •36 •01 •09 •36 NR	.13 .03 NR NR			.02 .01 .01	•01 •09 •01 •01 •01 •10 •02 •01	•72 •01 •56 •01	1.51
52 Thomas, J. E., Jr.	.07 .38 .02 .03 .29	.12 .03			.01 .01 .01 .01	.01 .13 .02 .01 .01 .09 .01 .01	•73 •01 •56 •03	1.60
58 Oswalt, Ray 59 Hollar, Wayne B.	07 .34 NR .31	.09 .03			.01 .01 .01 .01	•01   •12 •02 •01     •01   •06 •02 •01	.72 .02 .64 .01	1.49
				ASHLAND COUNTY N	NO. 6			
7 Landis, Robert W. 13 Schad, Jacob	•17 •27 •17 •21	•10 •04 •07 •05			•01	01 03 NR 01	62 01	1.10
20 Roland, Edd 24 Shuey, Walter	•17 •30 •16 •28	.07 .06 .12 .05			•01	01 01 04 NR 01 01 01 01 01 01 01 01 01 01 01	•63 NR •74 •02 •54 •01	1.47
32 Goard, H. E. 35 Seiss, Howard C.	NR .31 .12 .35	.06 .04			01 01	.01 NR NR NR .01 .07 .01	•56 •01 •73 •01	1,47
36 Beck, Lewis D. 37 Bishop, William J.	.08 .37 .10 .37	•12 •04 •12 •05			.02 .01 .03 .01	.01 .05 .01 .01 .08 .01	.54 .01 .70 .01	1.26
40 Secrest, Ellsworth 41 Hazen, Ralph	.07 .39 .06 .31	•11 •03 •09 •02			.01 .01	.01 .05 .01 .01 .06 .01	.66 .01 .65 .01	1.36
43 Paullin, William R. 44 McKinley, Arthur 47 Smetzer, Lloyd	•11 •31 •09 •26 •07 •31	.08 .03 .05 .02 .06 NR			•01 •01	01   09 01 01   01   01   01   01   01	.62 .01 .61 .02 .51 .01	1.29
49 Easterday, Mrs. Mary 50 Bowman, Mrs. Edith	NR NR 07 •35	•10 •03 •04 •03			.01 .01 NR NR	NR .07 .01 .01 .01 .01 .01 .02 .01 .01 .02 .01 .01	.66 .01	
53 McBride, L. A.	NR •34 •08 •25	.06 .02 .05 .01			.01 .01	.01 .09 .01 .01 .01 .01 .04 .01	•73 •02 •49 •01	•08
W 2	•11 •26 •14 •29	•07 •02 •07 •04			.02 .01	+01 +01 +07   +01     +01 +01 +08   +01     +01 +02   NR +01	.62 .01 .71 .01	1.21
W 4 W 5 W 6	.15 .25 .16 .25 .14 .26	.07 .02 .12 .02			•01 •01	01 02 NR 01 01 00 01 00 01 00 00 00 00 00 00 00	•50 •01 •58 •02 •65 •01	1.25
W 8 Middy Fork Project Area- W 9 / Soil Conservation Service	11 .30	.11 .02 .09 .02 .06 .01			•01	01 01 10 02 01 01 07 01	.62 .01 .62 .01	1.30
WIO	.13 .29	•06 •02 •06 •02			•01 •01	NR .01 .07 .01	•57 •01 •55 •01	1.15
W11   W12   W14   W14	•11 •28 •14 •55	•06 •02 •12 •10			•01	.01 .02 .08 .01 .01 .01 .08 .02	.62 .01 .75 .01	1.22
W14   W15 /	.17 .19 .12 .24	•09 •02 •08 •02			.02	•01 •01 •06 •01   •01 •01 •07 •01	.62 .01 .59 NR	1.21
				WAYNE COUNTY	No. 7			
2 Leiby, Lorenzo E. 5 Doubledee, James	.16   .26     .13   .27	•11 •03 •11 •03			•02	•01 •01 •09   •01     •01 •01 •05   •01	.64 .01 .69 .01	1.35
6 Viall, Charles A. 9 Crummel, Mrs. Lulu M.	•17 •24 •15 •15	•09 •03 •04 •02			•01	•01 •02 •08 •01 •01 •04 •09 •01	.62 .01 .54 .01	1.30
17 Alden, Harry C. 21 Harmon, Glenn B.	.13 .17 NR NR	.07 .04 NR NR	NR		•01	.01 .01 .01 .01 .01	.53 .01 .59 .01	1.12
26 Rehm, A. O.	.12 .22	.05 .02 .04 .02			•01	.01 .01 .06 .01 NR	•57 •02 •49 •01	1.3.0
31 Combs, Mrs. Nina 32 Elack, George 40b Keim, Myrtle	.08 .19 .11 .21 NR .17	.03 .01 .04 .01			•01 •01	01 01 06 . 01 NR 0NR NR	•50   •01     NR   •01   NR   NR   NR	•92
41 McClure, J. T. 43 Houghton, D. E.	•10 •19 •07 •23	.04 .01 .05 .01			•01	01 01 09 01 001 01 01 01 01 01	.64 .01 .58 .01	1.1/
51 Fox, Albert P.	.07 .22	.07 .01 .06 .02			•01	.01 .11 NR .01 .09 .01	•62 •02 •63 •01	1.11
55 McCullough, George W. 57 Manson, Ed. F.	•06 •33 •06 •24	•08			.01	.01 .08 .01 .01 .10 .01	.65 .01 .67 .01	1.24
58 Mellinger, M. D. 61 Welty, Wayne	.04 .25 NR .18	.06 NR			•01	.01 .07 .01 .06 .01	.65 .01 .61 .01	
63 Panosette, Emil 69 Scott, Harvey Alfred	.05 .19 .08 .28	•04	.02		.01	01 012 001 011 001	.62 NR .61 .01	1.16

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Page 4 MONTHLY SUMMARY OF PRECIPITATION FOR DECEMBER, 1938 BY DAYS ENDING AT 8:00 a.m.

STA.					DATE								
NO. NAME	1 2 3 4	4 5 6 7	8 9 10	11 12	13 14 15	16 17	18 19 2	21.	22 23	24	25 26 27	28 29 30	31 Total
					STARK COUNTY								
2 McKinney, Willis L. 9 Kyle, Wendell H. 12 Hess, A. E.	•07 •18 •13 •17 •05 •17	.08 .02 .08 .02	.03 .03			.02 .01		•10 •05	.10 .02		•45 •50	•01 •01	1.10 1.12 .99
13 Semeleberger, Charlee 17 Barton, William	11 .15	.06 .03	•06			.02		•02	.12 .02		•52	.01	1.07
18 Reiss, Samuel 20 Paxeon, Mae E.	.11 .19 .06 .15	.08 .02 .11 .03	•06			.01 .01		.08 .07			•50	.01	1.22
23 Mosgrove, Irene 25 Brand, Joseph H.	.08 .14 .11 .17	.07 .02 .06 .02	•03			.01		.01	.13 .01		•60	.01	1.18
28 Renkert, Harry J. 29 Schaub, Anna E.	.06 .13 .05 .19	NR NR 09 .03	•04			.01 .01		.07	.09 .03		•54	•01	1.16
30 Shepherd, G. C. 31 Krabill, Lon 34 Snyder, Homer R.	.08 .22 .04 .17 .06 .16	.07 .05 .08 .03	•02 •03 •04			NR •01 •02		.01 .01	.07 .02		.43 .49	•01 •02	97
34 Snyder, Homer R. 35 Buhecker, Peter 36 Young, Thomas	.00 :10 .09 :17	.06 .03 .05 .03	•04			•02		.01	.11 .02		•56 •54 •58	.01 .02	1.11
37 Dreher, Marie 38 Knouff, Charles	.07 .18 .05 .15	.06 .04 .07 .05	. 08			•02		.01	.06 .03		.48 .56	•02	1.05
39 Garen, Ira M. 40 DeWalt, S. J.	.05 .16 .04 .15	•10 •06 •05 •04	•04			.01		.02 .04	.05 .02		•49	NR .Ol	1.04
41 Sheatley, W. V. 45 Sewage Treatment Works		•05 •04 •04 •03	•03			.01		.05	.13 .02		•58	.01	1.10
47 Hoppe, Dora R. 51 Hager, Catherine M.	.05 .15	.10 .02 .03 .02	.06			.01		•01	.09 .02	.01	•54	•02	1.04
55 Winkhart, George 58 Gauze, Harold 61 Stevens, Edward	NR .15 .05 .18	.05 . .09 .04	.03			.01 .01		.01 .01	.11 .03		•58 •63	.01	1.19
61 Stevens, Edward  65 Harmon, John D.  68 Williams, Bessie	02 21	.05 NR	NR •02			.01		.01	.08 .02	NR	•52 •60 •59	.02 .01	1.03
OO HALLAGINA DOORE	102   120	1 809 804	1 (002)					101	1 107   102	1 002 1	0.07	1001	• 77
5 Bush, Andrew J.	.04 .15	09 05	.06	COLUM	BIANA COUNTY	NO. 9		•05	.09 .03	1 1	.56	.02	
9 Swinehart, Ira 15 Bolen, Joseph	.19	.05 .03 .04 .04	•06			.01		.06	.09 .02	•02	.62 .62	.01 .01	1.16
16 Wilhelm, William M. 17 Copeland, L. H.	.13	.02 .06 .03 NR	NR			NR NR		.03 NR	.09 .04	.02	,69 ,60	NR	1.14
19 Morrow, Martin	•14	.01 .06	80.	.01				01 .03			.74	•01	1.22
				MORRO	OW COUNTY NO.	10							
14 Orsborn, Charles A. 21 Bowen, John W.	.01 .06 .30 .0 .04 .06 .44 .0	3 .16 .02				•01		02 .01			•69	.01	1.63
Mt1	04 •32 •0 NR •32 •0	1 .14 .01				.01			•10 •03 •11 •05	.01	•57	.01	1.24
Mt4	.01 .02 .28 .0 .02 .05 .28 .0	1 .09 .01				.01 .01		•02	.07 .04	•01	•55	•01	1.14
Mt5 \ Mt6 / Granny & Dry Creek Area Mt7   Soil Conservation Servi	01 04 40 0 a-01 06 36 0 ice.01 07 32 0	1 .12 .01				•03 •02 •01		•01	.09 .06 .13 .02		•65 •63 •70	•01 •01	1.49 1.38 1.43
Mt8	01 06 36 0 01 05 35 0	1 .14 .02				.02 .01			.10 .02 .09 .04		•59	•01	1.34
Mt10	.02 .04 .29 .0 .01 .07 .36 .0	1 .13 .01				.02		•03		.01	.58	•03	1.30
1 Alloire Stanlay	0. 0. 0. 03 . 30 . 0	או וחני וו	`	KNO	X COUNTY NO.			gu lgt	סוו   סוו	INRI	ן מע	.01	
1 Allgire, Stanley 7 Motz, Richard 8 Huffman, Albert	•01 •03 •30 •0 •07 •28 · •04 •27	.08 .02	,	KNO	X COUNTY NO.	•01	1	NR NR	NR NR	NR	NR NR -66	01 NR 02	
7 Motz, Richard 8 Huffman, Albert 14 Page, L. W. 19 Greer, E. P.				KNO	X COUNTY NO.	•01				NR NR •02			1.40
7 Mots, Richard 8 Huffman, Albert 14 Fage, L. W. 19 Greer, E. P. 21 Huff, Ralph 22 Mt. Vernon Airways	.07 .28 .04 .27 .01 .05 .35 .04 .26	.08 .02 NR NR .10 .01 .10 .01	\	KNOZ	X COUNTY NO.	.01 .01 .01 .01		NR NR	NR NR .07 .01 .13 .02 .09 .03 NR NR	NR NR •02	NR .66 .67 .66 .63	NR •02 •02 •01 •01 •01	1.21
7 Mots, Richard 8 Huffman, Albert 14 Page, L. W. 19 Greer, E. P. 21 Huff, Ralph 22 Mt. Vernon Airways 24 Boetwich, Bertha 27 Hochstettler, Merrill	.07 .28 .04 .27 .01 .05 .35 .04 .26 .01 .05 .34 .00 .05 .34 .00 .00 .05 .34 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	.08 .02 NR NR .10 .01 .10 .01 1 .09 NR .09 .01 .07 .01		KNO	X COUNTY NO.	•01 •01 •01 •01 •01 •01		NR NR	NR NR .07 .01 .13 .02 .09 .03 NR NR .09 .03 .08 .04 .07 .03	NR NR •02	NR .66 .67 .66 .63 .63 .68	NR .02 .02 .01 .01 .01 .02 .02 .01	1.21
7 Mote, Richard 8 Huffman, Albert 14 Fage, L. W. 19 Greer, E. P. 21 Huff, Ralph 22 Mt. Vernon Airways 24 Boetwich, Bertha 27 Hochstettler, Merrill 35 Deakins, Harold 38 Wheeler, T. A.	.07 .28	1 .09 NR .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	\	KNO	X COUNTY NO.	•01 •01 •01 •01 •01 •01 •01 •01 NR NR		NR NR	NR NR .07 .01 .13 .02 .09 .03 NR NR .09 .03 .08 .04 .07 .03 .15 .03	NR NR •02 NR •01	NR .66 .67 .66 .63 .63 .68 .74 .75 .72	NR	1.33
7 Mote, Richard  8 Huffman, Albert  14 Fage, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.	007 0.28 0.04 0.27 0.05 0.35 0.04 0.26 0.05 0.35 0.04 0.26 0.05 0.34 0.05 0.26 0.05 0.35 0.06 0.35 0.06 0.35 0.07 0.30 0.30 0.30 0.30 0.30 0.30 0.30	.08 .02 NR NR .10 .01 .10 .01 .09 NR .09 .01 .07 .01 .11 .01 NR .01 .09 .01		KNOZ	X COUNTY NO.	.01 .01 .01 .01 .01 .01 .01 .01 NR NR .01 .01		NR NR OI *	NR NR .07 .01 .13 .02 .09 .03 NR NR .09 .03 .08 .04 .07 .03 .12 .03 .10 .02	NR NR .02 NR .01 .01	NR .66 .67 .66 .63 .63 .68 .74 .75 .72	NR .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.33
7 Mote, Richard  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ermst M.  55 Gretzer, Donald M.	07 28 04 27 01 05 05 05 05 05 05 05 05 05 05 05 05 05	.08 .02 NR NR .10 .01 .10 .01 .10 .01 .11 .09 NR .09 .01 .11 .01 NR .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01		KNO	X COUNTY NO.	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   O1   O1   O1   O1   O1   O1   O1   O	NR NR .07 .01 .13 .002 .09 .03 .NR NR .09 .03 .08 .04 .07 .03 .11 .004 .11 .04 .11 .04	NR NR .02 NR .01 .01 .01 .01 .01 .01	NR .66 .67 .66 .63 .68 .74 .75 .72 .61 .62 .73 .67	NR .02 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.33
7 Mote, Richard  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ermsst M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.	07 28 004 27 01 005 015 015 015 015 015 015 015 015	.08 .02 NR NR .10 .01 .10 .01 .10 .01 .11 .09 NR .09 .01 .11 .01 NR .01 .09 .01 .09 .01 .09 .01 .09 .01 .12 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01		KNO	X COUNTY NO.	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR NR O1	NR NR 007 001 13 002 09 003 NR NR 09 003 15 003 11 004 11 004 11 004 11 005 06 04 08 08 08 08	NR NR .02	NR .66 .67 .66 .63 .68 .74 .75 .72 .61 .62	NR +02 +02 +02 +01 +01 +01 +01 +01 +01 +01 +01 +01 +01	1.33 1.33 1.28 1.37
7 Mote, Richard  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernsst M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahnon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarnan, C. C.	.07 .28	08 .02 NR NR 10 .01 -10 .01 -10 .01 -10 .01 -10 .01 -11 .01 NR .01 -09 .01		KNOZ	X COUNTY NO.	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR NR 07 001 13 002 009 003 08 04 004 11 004 11 004 11 005 006 004 12 006 006 004 006 006 006 006 006 006 006	NR NR 02 NR NR 01 01 001 NR 01 001 NR 001 NR 001 NR 002 NR 002 NR 003	NR .66 .67 .66 .63 .63 .63 .74 .75 .72 .61 .62 .67 NR .62 .68 .71 .78	NR .02 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.33 1.33 1.28 1.37 1.30
7 Mote, Richard  8 Huffman, Albert  14 Fage, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  45 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Ctis U.  69 Fawcett, O. B.	07 28 004 27 01 005 015 015 015 015 015 015 015 015	08 .02 NR NR 10 .01 -10 .01 -10 .01 -10 .01 -10 .01 -11 .01 NR .01 -09 .01		KNO	X COUNTY NO.	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR NR 07 001 13 002 009 003 08 04 04 15 003 11 004 11 004 11 005 006 004 008 008 008 008 008 008 008 008 008	NR NR .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	NR .66 .67 .66 .63 .63 .68 .74 .75 .72 .61 .62 .73 .67 .NR .62 .68	NR .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.33 1.28 1.37 1.30 1.29 1.21
7 Mote, Richard  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernsst M.  55 Gretzer, Donald M.  64 Cibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence	07 .28 .01 .05 .05 .05 .01 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02	.08 .02 NR NR .10 .01 .10 .01 .10 .01 .10 .01 .11 .09 NR .09 .01 .11 .01 NR .01 .09 .01 .00 .01				.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR .07 .01 .13 .02 .09 .03 .08 .04 .09 .03 .15 .03 .12 .03 .11 .04 .11 .04 .11 .04 .12 .03 .08 .08 .04 .03 .08 .08 .13 .03 .08 .08 .04 .03 .08 .08 .05 .05 .06 .04 .08 .08 .08 .08 .08 .08 .08 .08 .09 .03 .08 .08 .08 .08 .08 .08 .12 .03 .12 .13 .03 .13 .13 .03 .14 .15 .13 .13 .13	NR NR .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	NR .66 .67 .66 .67 .68 .63 .68 .74 .75 .72 .61 .62 .73 .67 .NR .62 .68 .71 .78	NR .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21 1.33 1.28 1.37 1.30 1.29 1.41
7 Mote, Richard  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ermsst M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahnon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McIarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.	.07 .28	.08 .02 NR NR NR 110 .01 .01 .01 .01 .01 .01 .01 .01 .01			X COUNTY NO.	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		* * * * * * * * * * * * * * * * * * *	NR NR -07 -01 -13 -02 -09 -03 -09 -03 -08 -04 -09 -03 -15 -03 -12 -03 -11 -04 -11 -04 -12 -03 -08 -08 -08 -08 -12 -03 -08 -06 -12 -03 -08 -06 -13 -03 -08 -06 -13 -03 -13 -03 -13 -03 -10 -05	NR NR .02 .01 .01 .01 .01 .01 .01 .01 .01 .02 NR .02 NR .03	NR .66 .67 .66 .67 .68 .74 .75 .72 .61 .62 .73 .67 .NR .62 .73 .68 .71 .78	NR .02 .02 .01 .01 .01 .01 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21 1.33 1.28 1.37 1.30 1.29 1.41
7 Mote, Richard  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ermst M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.	007   28   004   27   001   005   035   004   026   001   005   035   004   005	.08 .02 NR .10 .01 .10 .01 .10 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .08 .01 .09 .01 .12 .01 .13 .01 .14 .06 .15 .01 .17 .01 .18 .01 .19 .01 .19 .01 .10 .01 .10 .01 .10 .01 .10 .01 .10 .01 .10 .01 .08 .04 .07 .03 .08 .04				.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR 07 001 133 002 009 009 009 009 009 009 009 009 009	NR NR	NR .66	NR .02 .02 .001 .001 .001 .001 .001 .001 .	1.21 1.33 1.28 1.37 1.30 1.29 1.41 1.49 1.38
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstetler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, Jacob S.	007   28   004   27   001   005   35   004   26   001   005   35   004   26   005	.08 .02 NR N				.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR	NR NR	NR .66 .67 .66 .63 .63 .63 .67 .74 .75 .72 .61 .62 .73 .67 .88 .71 .78 .56 .74 .75 .78 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .56 .74 .75 .75 .75 .75 .75 .75 .75 .75 .75 .75	NR .02 .02 .01 .01 .01 .01 .01 .01 .01 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.33 1.33 1.28 1.37 1.30 1.29 1.41 1.49 1.38
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  45 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, Jacob S.  26 Miller, C. S.  29 Shoup, Howard E.	.07 .28 .04 .27 .01 .05 .35 .04 .26 .01 .05 .35 .04 .26 .00 .07 .26 .00 .07 .25 .07 .22 .07 .22 .07 .22 .07 .22 .07 .22 .07 .22 .07 .22 .07 .23 .04 .20 .07 .22 .07 .22 .07 .23 .04 .20 .07 .22 .07 .22 .07 .23 .04 .20 .07 .22 .07 .22 .07 .23 .04 .23 .07 .22 .07 .23 .07 .23 .07 .23 .07 .22 .07 .23 .07 .2	.08 .02 NR NR NR .10 .01 .10 .01 .10 .01 .10 .01 .11 .09 NR .09 .01 .11 .01 .09 .01 .09 .01 .12 .00 .09 .01 .13 .01 .09 .01 .00 .01 .0	.01			.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR	NR NR	NR .66 .67 .66 .63 .63 .63 .61 .62 .62 .65 .74	NR .02 .02 .01 .01 .01 .01 .01 .02 .02 .01 .01 .02 .01 .01 .01 .00 .00 .00 .00 .00 .00 .00	1.21 1.33 1.28 1.37 1.30 1.29 1.41 1.49 1.38
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ermst M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, Jacob S.  26 Miller, Jacob S.  27 Shoup, Howard E.  38 Schnell, F. C.	.07 .28 .07 .28 .00 .01 .05 .05 .05 .04 .02 .00 .05 .05 .05 .00 .00 .05 .05 .00 .00	.08 .02 NR NR NR .10 .01 .10 .01 .10 .01 .10 .01 .11 .01 NR .01 .09 .01 .00 .00 .01 .00 .01 .00 .01 .00 .01 .00 .01 .00 .01 .00 .02 .00 .03 .04 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .07 .03 .08 .04 .09 .04 .07 .03 .08 .04 .09 .04 .07 .03 .08 .04 .07 .03 .08 .04 .09 .04 .07 .03 .08 .04 .09 .04 .09 .04 .09 .04 .07 .03 .08 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .09 .04 .07 .03 .08 .04 .09 .04 .0	.01			OI		NR   NR   NR   NR   NR   NR   NR   NR	NR N	NR NR	NR .66 .67 .66 .67 .66 .63 .68 .74 .75 .72 .61 .62 .73 .67 .NR .62 .68 .71 .78 .56 .74 .78 .78 .79 .60 .88 .71 .78 .78 .78 .79 .78 .78 .79 .78 .79 .78 .79 .78 .79 .79 .79 .79 .70 .70 .70 .70 .70 .70 .70 .70 .70 .70	NR .02 .02 .01 .01 .01 .01 .01 .01 .01 .02 .01 .02 .01 .01 .02 .01 .01 .02 .01 .02 .01 .01 .02 .01 .02 .01 .01 .02 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02	1.21 1.33 1.28 1.37 1.30 1.29 1.41 1.49 1.38
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, C. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  38 Schnell, F. C.  55 Shedron, Benj. L.  47 Miller, Occar  51 Hersberger, Dan	007   28   004   27   001   005   315   004   226   004   206   001   005   326   006	.08 .02 NR N	.01			.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR -07 -01 -13 -02 -09 -03 -09 -03 -08 -04 -10 -05 -11 -04 -11 -04 -12 -03 -13 -04 -11 -04 -13 -04 -14 -05 -05 -07 -03 -08 -06 -13 -03 -08 -06 -13 -04 -10 -05 -06 -04 -10 -05 -07 -03 -08 -06 -13 -04 -10 -05 -08 -06 -13 -04 -10 -05 -08 -06 -13 -04 -10 -05 -08 -06 -13 -04 -10 -05 -08 -06 -13 -04 -10 -05 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08	NR NR	NR .66 .67 .66 .63 .63 .68 .74 .75 .61 .62 .67 .86 .68 .71 .78 .56 .78 .56 .74 .75 .78 .56 .74 .75 .78 .56 .74 .75 .78 .56 .74 .78 .78 .56 .74 .78 .78 .78 .78 .78 .79 .79 .79 .79 .79 .79 .79 .79 .79 .79	NR .02 .02 .01 .01 .01 .01 .01 .01 .02 .02 .01 .01 .01 .00 .00 .00 .00 .00 .00 .00	1.21  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.38  1.24  1.32  1.120  1.30  1.09
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Ctis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, Jacob S.  26 Miller, C. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  38 Schnell, F. C.  47 Miller, Occar  51 Hershberger, Dan  54 Alexander, Paul  558 Nethers, Calvin	.07 .28 .00 .01 .05 .05 .06 .00 .00 .00 .00 .00 .00 .00 .00 .00	.08 .02 NR .10 .01 .10 .01 .10 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .13 .01 .12 .01 .12 .01 .13 .01 .14 .06 .10 .01 .12 .01 .12 .01 .12 .01 .12 .01 .13 .01 .14 .06 .15 .01 .15 .01 .16 .07 .17 .07 .18 .00 .19 .00 .19 .00 .10 .00 .10 .00 .10 .00 .10 .00 .10 .00 .10 .00 .10 .00 .10 .00 .00 .00 .10 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00	•02			OI		NR N	NR NR OF	NR NR	NR .66 .67 .66 .67 .66 .63 .68 .74 .75 .72 .61 .62 .73 .67 .NR .62 .68 .71 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .66 .62 .65 .78 .66 .63 .79 .78 .66 .62 .65 .78 .66 .63 .74 .66 .63 .62 .65 .78 .66 .63 .62 .65 .78 .66 .63 .66 .63 .66 .63 .66 .63 .66 .63 .66 .66	NR .02 .02 .01 .01 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21 1.33 1.28 1.37 1.30 1.29 1.41 1.49 1.38
8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, C. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  38 Schmell, F. C.  45 Shedron, Benj. L.  47 Miller, Oecar  51 Hershberger, Dan  54 Alexander, Paul  58b Nethers, Calvin  61 Kabern, William  65 Robinson, William	.07 .28 .04 .27 .01 .05 .35 .04 .26 .01 .05 .36 .00 .06 .30 .06 .30 .06 .30 .06 .30 .06 .30 .06 .30 .07 .32 .07 .23 .0	.08 .02 NR N				.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR	NR NR	NR .66 .67 .66 .67 .66 .63 .68 .74 .75 .72 .61 .62 .73 .67 .88 .62 .68 .71 .78 .56 .74 .78 .56 .74 .78 .56 .74 .77 .78 .56 .77 .78 .66 .68 .71 .78 .66 .66 .63 .71 .78 .66 .71 .78 .66 .71 .78 .66 .71 .78 .66 .71 .78 .66 .71 .78 .78 .78 .78 .78 .78 .78 .78 .78 .78	NR .02 .02 .01 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .01 .01 .00 .00 .00	1.21  1.33  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.38  1.24  1.32  1.19  1.20  1.30  1.20  1.20
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, G. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  38 Schmell, F. C.  45 Shedron, Benj. L.  47 Miller, Occar  51 Hershberger, Dan  54 Alexander, Paul  550 Nethers, Calvin  61 Kaser, William  65 Robinson, Willie  66 Crockey, Robert W.  69 Andereon, W. J.	.07 .28 .04 .27 .01 .05 .35 .04 .26 .01 .05 .35 .04 .03 .26 .00 .08 .38 .00 .06 .28 .04 .30 .06 .36 .00 .07 .35 .00 .06 .36 .00 .07 .35 .00 .06 .36 .00 .07 .35 .00 .00 .37 .35 .00 .00 .37 .35 .00 .00 .37 .35 .00 .00 .07 .25 .00 .00 .07 .22 .25 .08 .28 .28 .28 .28 .28 .28 .28 .22 .25 .00 .25 .00 .25 .00 .08 .30 .00 .00 .25 .00 .00 .25 .00 .00 .25 .00 .00 .25 .00 .00 .25 .00 .00 .27 .	.08 .02 NR N	•02			.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR -07 -01 -13 -02 -09 -03 -08 -04 -15 -03 -12 -03 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -11 -05 -11 -05 -11 -05 -11 -05 -11 -01 -06 -03 -08 -06 -13 -04 -10 -05 -11 -01 -08 -01	NR NR	NR .66 .67 .66 .63 .63 .63 .67 .74 .77 .73 .67 .72 .661 .62 .65 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .77 .73 .67 .78 .66 .74 .77 .77 .77 .77	NR .02 .02 .01 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.38  1.24  1.32  1.19  1.20  1.30  1.30  1.30
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ermst M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Ctis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, Jacob S.  26 Miller, C. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  38 Schnell, F. C.  47 Miller, Occar  51 Hershberger, Dan  54 Alexander, Paul  55 Robinson, Willie  65 Robinson, Willie  66 Croskey, Robert W.	.07 .28 .00 .27 .01 .05 .05 .05 .00 .01 .05 .05 .05 .00 .00 .05 .00 .00 .00 .00	.08 .02 NR .10 .01 .10 .01 .10 .01 .10 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .12 .01 .08 .01 .09 .01 .13 .01 .09 .01 .12 .01 .08 .01 .09 .01 .13 .01 .12 .01 .12 .01 .13 .01 .12 .01 .13 .01 .14 .06 .15 .06 .10 .08	•02			OI		NR   NR   NR   NR   NR   NR   NR   NR	NR NR NR	NR NR	NR .66 .67 .66 .67 .66 .63 .68 .74 .75 .72 .61 .62 .73 .67 .88 .71 .78 .56 .74 .78 .56 .74 .78 .69 .78 .79 .60 .78 .79 .70 .70 .70 .70 .70 .70 .70 .70 .70 .70	NR .02 .02 .01 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21  1.33  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.38  1.24  1.32  1.19  1.20  1.30  1.20  1.20
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  45 Potter, Ernst M.  46 Gibson, Nora  46 Lahnon, Myrtle M.  46 Gibson, Nora  46 Lahnon, Myrtle M.  47 Fawett, O. B.  48 Potter, Co. B.  49 Fawett, O. B.  40 Larnan, C. C.  41 Armstrong, Clarence  40 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, Jacob S.  26 Miller, C. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  28 Schnell, F. C.  45 Shedron, Benj. L.  47 Miller, Occar  51 Hersberger, Dan  54 Alexander, Paul  550 Robinson, Willie  66 Crockey, Robert W.  69 Andereon, W. J.  70 Wagere, Albert	.07 .28 .04 .27 .01 .05 .35 .04 .26 .01 .05 .35 .04 .26 .03 .26 .03 .26 .08 .30 .00 .07 .25 .00 .08 .30 .00 .07 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .20 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .20 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .20 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .23 .00 .00 .20 .23 .00 .00 .22 .00 .22 .00 .00 .22 .00 .00	.08 .02 NR N	•02	HOLMES		.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR -07 -01 -13 -02 -09 -03 -08 -04 -10 -05 -11 -04 -10 -05 -12 -06 -13 -02 -11 -04 -10 -05 -12 -06 -13 -02 -11 -04 -10 -05 -06 -04 -08 -08 -08 -08 -12 -06 -13 -04 -10 -05 -06 -04 -07 -02 -09 -02 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08	NR NR	NR .66 .67 .66 .67 .66 .63 .63 .63 .63 .67 .74 .75 .72 .61 .62 .73 .67 .88 .71 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .62 .68 .71 .78 .62 .68 .71 .78 .65 .74 .77 .73 .77 .73 .77 .73 .77	NR .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21  1.33  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.32  1.32  1.20  1.30  1.20  1.20  1.21  1.20  1.20  1.21  1.21  1.22  1.21  1.21  1.22  1.22  1.22
8 Huffman, Albert 14 Page, L. W. 19 Greer, E. P. 21 Huff, Ralph 22 Mt. Vernon Airways 24 Boetwich, Bertha 27 Hochstettler, Merrill 35 Deakins, Harold 38 Wheeler, T. A. 43 Ayers, Mrs. Elizabeth 44 Goodrich, Fred A. 48 Potter, Ermst M. 55 Gretzer, Donald M. 64 Gibson, Nora 65 Lahmon, Nyrtle M. 68 Ulrey, Otis U. 69 Fawcett, O. B. 70 McLarnan, C. C. 72 Armstrong, Clarence 86 Scolee, Charles F.  2 Newkirk, Benjamin J. 4 Frash, M. E. 13 Barker, Roy R. 17 Lowe, Jacob 18 Miller, Jacob 18 Miller, C. S. 29 Shoup, Howard E. 34 Donley, Delmar D. 38 Schmell, F. C. 45 Shedron, Benj. L. 47 Miller, Oecar 51 Hersberger, Dan 54 Alexander, Paul 56 Nothers, Calvin 61 Kaser, William 65 Robinson, William 65 Robinson, William 66 Croskey, Robert W. 69 Andereon, W. J. 70 Wagere, Albert	.07 .28 .00 .01 .05 .05 .05 .00 .00 .00 .00 .00 .00 .00	.08 .02 NR .10 .01 .10 .01 .10 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .09 .01 .08 .01 .09 .01 .12 .01 .08 .01 .09 .01 .13 .01 .08 .01 .09 .01 .12 .01 .08 .01 .09 .01 .13 .01 .12 .01 .13 .01 .12 .01 .13 .01 .14 .06 .10 .08 .10 .08 .10 .08 .00 .04 .01 .08 .08 .04 .07 .02 .08 .04 .00 .08 .00 .04 .00	.01	HOLMES	COUNTY NO. 1	OI		NR   NR   NR   NR   NR   NR   NR   NR	NR NR OF	NR   NR   NR   NR   NR   NR   NR   NR	NR .66 .67 .66 .67 .66 .63 .68 .74 .75 .72 .61 .62 .73 .67 .NR .62 .68 .71 .78 .56 .74 .78 .56 .74 .77 .73 .73 .56 .74 .73 .74 .75 .77 .73 .72 .72 .72	NR .02 .02 .01 .01 .01 .01 .01 .02 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.38  1.24  1.32  1.19  1.20  1.30  1.30  1.30
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vermon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Otis U.  69 Fawcett, O. B.  70 McLarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, Jacob S.  26 Miller, C. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  38 Schmell, F. C.  45 Shedron, Benj. L.  47 Willer, Oecar  51 Hersbberger, Dan  54 Alexander, Paul  550 Nethers, Calvin  61 Kaser, William  65 Robinson, Willie  66 Croskey, Robert W.  69 Anderson, W. J.  70 Wagere, Albert  13 Poorman, Gifford L.  14 Hamilton, Joseph J.  15 Reiss, J. L.	.07 .28 .00 .01 .05 .05 .00 .00 .00 .00 .00 .00 .00 .00	.08 .02 NR N	.01 .01	HOLMES	COUNTY NO. 1	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR	NR NR	NR .66 .67 .66 .67 .66 .63 .68 .74 .75 .72 .61 .62 .73 .67 .88 .67 .78 .56 .74 .78 .56 .74 .78 .56 .74 .77 .73 .73 .72 .72	NR .02 .02 .01 .01 .01 .01 .02 .02 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .01 .00 .00 .00 .00 .00 .00	1.21  1.33  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.38  1.24  1.32  1.19  1.20  1.20  1.20  1.20  1.21  1.41  1.27  1.24
8 Huffman, Albert  8 Huffman, Albert  14 Page, L. W.  19 Greer, E. P.  21 Huff, Ralph  22 Mt. Vernon Airways  24 Boetwich, Bertha  27 Hochstettler, Merrill  35 Deakins, Harold  38 Wheeler, T. A.  43 Ayers, Mrs. Elizabeth  44 Goodrich, Fred A.  48 Potter, Ernest M.  55 Gretzer, Donald M.  64 Gibson, Nora  65 Lahmon, Myrtle M.  68 Ulrey, Ctis U.  69 Fawcett, O. B.  70 Mclarman, C. C.  72 Armstrong, Clarence  86 Scolee, Charles F.  2 Newkirk, Benjamin J.  4 Frash, M. E.  13 Barker, Roy R.  17 Lowe, Jacob  18 Miller, G. S.  29 Shoup, Howard E.  34 Donley, Delmar D.  38 Schmell, F. C.  45 Shedron, Benj. L.  47 Miller, Occar  51 Hershberger, Dan  54 Alexander, Paul  580 Nethers, Calvin  61 Kaser, William  65 Robinson, Willie  66 Croskey, Robert W.  69 Andereon, W. J.  70 Wagere, Albert  13 Poorman, Gifford L.  14 Hemdlton, Joseph J.  16 Radsley, Lister R.  17 Reiss, J. L.  19 Ames, Ross M.  27 Frye, Effic R.	.07 .28 .04 .27 .01 .05 .35 .04 .26 .01 .05 .35 .04 .03 .26 .00 .08 .38 .00 .06 .28 .00 .08 .30 .00 .06 .36 .00 .07 .32 .00 .00 .33 .00 .00 .33 .00 .00 .33 .00 .00	.08 .02 NR N	.02	HOLMES	COUNTY NO. 1	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01		NR   NR   NR   NR   NR   NR   NR   NR	NR NR -07 -01 -10 -02 -11 -02 -09 -03 -08 -04 -12 -03 -14 -04 -10 -05 -11 -04 -12 -06 -13 -03 -14 -04 -10 -05 -14 -04 -15 -05 -17 -01 -07 -01 -08 -08 -08 -06 -13 -04 -10 -05 -08 -06 -13 -04 -10 -05 -08 -06 -13 -04 -10 -05 -08 -06 -13 -04 -11 -01 -08 -08 -01 -08 -01 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08 -08 -01 -08	NR NR NR .001 .001 .001 .001 .001 .001 .001 .00	NR .66 .67 .66 .67 .66 .63 .63 .68 .74 .75 .72 .61 .62 .73 .67 .NR .62 .68 .71 .78 .56 .74 .75 .72 .60 .88 .60 .NR .62 .63 .63 .74 .77 .73 .72 .73 .74 .77 .73 .72 .78 .78 .78 .79 .70 .70 .70 .70 .70 .70 .70 .70 .70 .70	NR .02 .02 .01 .01 .01 .02 .01 .02 .01 .01 .02 .01 .01 .01 .01 .02 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01	1.21  1.33  1.33  1.28  1.37  1.30  1.29  1.21  1.49  1.38  1.24  1.32  1.19  1.20  1.21  1.21  1.41  1.22  1.21  1.41  1.22
8 Huffman, Albert 14 Page, L. W. 19 Greer, E. P. 21 Huff, Ralph 22 Mt. Vernon Airways 24 Boetwich, Bertha 27 Hochstettler, Merrill 35 Deakins, Harold 38 Wheeler, T. A. 43 Ayers, Mrs. Elizabeth 44 Goodrich, Fred A. 48 Potter, Ermst M. 55 Gretzer, Donald M. 64 Gibson, Nora 65 Lahmon, Myrtle M. 68 Ulrey, Otis U. 69 Fawcett, O. B. 70 McLarman, C. C. 72 Armstrong, Clarence 86 Scolee, Charles F.  2 Newkirk, Benjamin J. 4 Frash, M. E. 13 Barker, Roy R. 17 Lowe, Jacob 18 Miller, C. S. 29 Shoup, Howard E. 34 Donley, Delmar D. 38 Schmell, F. C. 45 Shedron, Benj. L. 47 Miller, Oecar 51 Hersberger, Dan 54 Alexander, Paul 550 Nethers, Calvin 61 Kaser, William 65 Robinson, William 65 Robinson, William 66 Croekey, Robert W. 69 Andereon, W. J. 70 Wagere, Albert  13 Poorman, Gifford L. 14 Hamilton, Joseph J. 16 Endsley, Lister R. 17 Reiss, J. L. 18 Ames, Ross M.	.07 .28 .04 .27 .01 .05 .35 .04 .00 .26 .05 .35 .04 .03 .26 .00 .07 .20 .07 .23 .00 .00 .07 .22 .07 .23 .07 .22 .07 .23 .07 .22 .08 .28 .08 .28 .09 .09 .25 .00 .25 .00 .25 .00 .25 .00 .25 .00 .25 .00 .20 .25 .00 .20 .25 .00 .20 .27 .20 .00 .20 .20 .20 .25 .00 .20 .25 .00 .20 .25 .00 .20 .20 .20 .20 .20 .20 .20 .20 .20	.08 .02 NR .10 .01 .10 .01 .10 .01 .10 .01 .10 .01 .11 .00 .09 .01 .00 .00 .00 .00 .00 .00 .00 .00 .00	.01 .01	HOLMES	COUNTY NO. 1	OI		NR   NR   NR   NR   NR   NR   NR   NR	NR NR -07 -01 -13 -02 -09 -03 -08 -04 -10 -05 -11 -04 -10 -05 -11 -04 -11 -04 -10 -05 -12 -06 -13 -02 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -10 -05 -11 -04 -11 -04 -10 -05 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -04 -11 -05	NR NR	NR .66 .67 .66 .67 .66 .63 .63 .63 .63 .61 .62 .72 .61 .62 .73 .67 .88 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .78 .56 .74 .77 .73 .77 .73 .77 .73 .72 .63 .67 .78 .69 .78 .78 .60 .78 .78 .78 .78 .78 .78 .78 .78 .78 .78	NR .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .02 .02 .01 .01 .01 .00 .00 .00 .00 .00 .00 .00	1.21  1.33  1.33  1.28  1.37  1.30  1.29  1.41  1.49  1.38  1.24  1.32  1.19  1.20  1.20  1.20  1.20  1.21  1.41  1.27  1.24



Page 5

MONTHLY SUMMARY OF PRECIPITATION FOR DECEMBER, 1938 BY DAYS ENDING AT 8:00 a.m.

DATE

STA. NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Total NAME COSHOCTON COUNTY NO. 13 35 Giffin, C. O.
36 Cullison, Norman
39 Burch, Mrs. Bessie
40 Stingel, B. O.
51 Williams, C. F.
52 Bachman, Andrew
53 Frown, E. W.
56 Troendly, D. C.
59 Camp, Norman E.
61 Veigel, Fred
63 Shrimplin, Sam
66 Welker, Myron E.
69 Pigman, Frank
70 Anderson, Lawrence R.
76 Royer, Clem A.
85 Senter, Victor
86 Kieran, Albert T.
98 Rieger, George
Met .09 .04 .01 .10 .04 .04 .01 .11 .02 .05 .01 .10 .03 .05 NR .1C .03 .07 .01 .25 .03 .24 .03 .22 .04 .22 1.23 1.42 1.31 .06 .01 .75 .84 .72 .80 .70 .71 .01 .02 .01 .03 .01 .01 .01 .11 .09 .02 .03 .05 .05 NR •02 .05 .18 .05 .16 .04 .19 .04 .22 .03 .16 .03 .21 .03 .20 NR .23 .NR .14 .02 .21 .01 .19 NR NR .11 .08 .06 .12 .17 .09 .06 .11 .13 .03 .09 .04 •05 1.40 .02 .01 .01 | 11 | .05 | .11 | .05 | .11 | .05 | .11 | .05 | .04 | .04 | .01 | .01 | .02 | .07 | .01 | .11 | .05 | .06 | .09 | .01 | .09 | .07 | .07 | .07 | .08 | .10 | .07 | .09 | .08 | .11 | .07 | .09 | .08 | .13 | .02 | .04 | .07 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .05 ·II .76 .79 .80 .77 .71 .75 .01 •02 NR •02 .01 1.46 NR .03 .01 .01 .01 .01 .01 •06 1.34 .01 •03 •02 .68 .81 .79 .70 .74 .70 .76 .71 .69 .61 .78 .89 .77 .75 .77 .01 .01 .07 .09 .04 .10 .10 .02 .02 .01 .01 NR NR 1.33 .01 1.31 NR NR NR .14 .02 .03
.01 .09 .01
.NR NR NR NR
.01 .09 .02
.01 .08 .01
.01 .09 .02
.01 .08 .01
.01 .09 .02
.NR NR NR NR
.01 .07 .02
.01 .13 .01
.01 .07 .02
.01 .14 .01 .04
.01 .14 .01 .04
.01 .14 .01 .05
.10 .01 .05
.10 .01 .05
.10 .01 .05 共 .01 .01 \* NR \* .01 \* .01 \* .01 \* .02 NR NR .Ol NR NR # NR \* \* \* NR NR OO M. C. R. C.—Office

2 Wolfe, R. J.

3 Fuhrer, H. B.

4 Rippel, George H.

5 Warmer, George W.

6 Lenhart, E. E.

11 Eaker, George W.

12 Maurer, Clinton

17 Strauss, Arthur

22 Hamilton, Frank

25 Smith, Fred

26 Seymore, Vardy

27 Haver, Harry V.

28 France, Calvin

30 Trachsel, Henry

31 Thomas, Tom

32 Engler, Robert

33 Zurcher, Raymond

34 Francis, Rert

37 Walker, Harry

42 Spring, John

43 Weaver, John L.

44 Peters, R. V.

45 Miller, Elmer

46 Hisrich, Vernon

55 Troendly, Earl

58 Jones, Emmett

69 Wellor, Harry M.

79 Pittson, Iewis

74 Orr, Thomas

76 Arnold, Homer R.

77 Cutshall, Charles

78 Cranlet, Ray

88 Taylor, Ja, Arthur

87 Moffitt, John

88 Jacoby, Paul J.

NP2 Howkingum Watershed

NP3 Index Area—

NP4 Muskingum Watershed

NP5 Conservancy District TUSCARAWAS COUNTY NO. 14 .01 .01 .11 .02 .01
.01 .06 .03 .02 .01
.01 .06 .03 .02
.02 .01 .09 .03 .01
.01 .09 .03 .01
.01 .09 .03 .01
.01 .09 .03 .01
.01 .09 .03 .01
.01 .09 .03 .01
.01 .09 .03 .01
.01 .00 .03 .03
.01 .02 .07 .02 .02
.01 .08 .08 .00 .02
.01 .07 .02 .02
.02 .11 .02 .08
.01 .02 .12 .01 .01
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.01 .00 .03 .01
.01 .00 .03 .01
.01 .00 .03 .01
.01 .00 .02 .10 .03 .03 .20 .03 .16 .02 .20 .02 .25 .02 .18 .01 .19 .02 .25 .08 .15 .03 .24 .02 .13 .04 .21 .02 .19 .02 .18 .06 .01 .08 .02 .09 .03 .02 .09 .01 .07 .01 .08 NR .07 .01 .12 .03 .07 .03 .07 .03 .08 .02 .08 .02 .01 .52 1.19 •01 •01 .02 .01 .01 .01 .01 .59 .62 1,07 .04 NR •01 .01 .01 .01 .01 .66 .59 .73 1.04 .60 .66 .69 1.15 .04 .10 .02 .19 NR NR NR NR .03 .22 .02 .17 .04 .19 .02 .17 .02 .17 .02 .13 .02 .08 .03 .23 .04 .20 NR NR .03 .14 .02 .13 .01 NR .03 .12 .01 NR .01 .01 NR .01 .02 .01 1.28 •01 .01 .02 .01 .01 •01 •01 •01 .69 .58 .63 .62 .57 .74 .80 .69 .63 .69 .58 .68 1.08 1.11 1.16 1.05 .01 .01 .02 NR .03 .02 .03 .02 .03 .02 .03 .01 .01 .01 .01 .02 .01 NR .01 .01 .01 .01 .01 .01 •01 •02 •02 •02 NR •01 NR NR •07 .03 .12 .03 .17 NR .16 NR NR .03 .17 .01 .01 .01 .01 .01 .01 .02 .02 .02 .02 1.45 .02 NR .03 .02 .07 .74 .68 NR NR •07 1.50 •07 •04 •07 •07 •05 •05 •05 •05 •06 •01 •09 •01 •09 •01 •08 •01 .03 .17 .03 .16 .06 .16 .02 .14 .02 .13 .02 .15 .02 .18 .02 .16 .03 .19 .02 .03 .03 .03 NR .05 .01 NR .02 .01 .01 .02 .01 .01 .01 .76 .75 .74 NR .82 .76 .68 .69 .64 1.44 NR 1.54 1.16 1.20 1.21 1.10 .02 .03 .03 Index Area— Muskingum Watershed Conservancy District .01 2 Wilcoxen, Mrs. Allie Mae
3 Winterhalter, George L.
6 Hawkins, O. V.
7 Wanner, Karl
8 Hurless, Virgil H.
13 McNutt, Sherman I.
14 Coffy, Woodrow
16 Steele, Norman
17 Snively, Robert
18 Hosack, L.
23 Iumley, Henry
24 Breckenridge, Edwin C.
25 Moyer, Lonnie
26 Tack, Victor E.
29 King, Rowen R.
30 Long, Thomas J.
31 Brackin, Samuel H.
35 Carroll, Cleo
39 Noble, Charles K.
42 Leggett, Paul T.
44 Lucas, John
45 Slates, Henry CARROLL COUNTY NO. 15 .01 .09 .04 .02 .01 .08 .03 .03 .05 .06 .03 .04 .01 .11 .02 .01 .01 .06 .03 .02 .01 .09 .01 .01 .01 .01 .03 .01 .59 .55 .55 .61 .48 .54 .54 .55 .61 .73 .58 .67 .64 .72 .68 •01 .12 •01 .19 •01 .27 •01 NR •01 .15 •01 .14 •01 .15 .06 .04 .06 .03 .03 .88 NR .08 .05 .07 .03 .03 .03 .02 .02 .02 .04 .01 .04 .02 .01 .01 .01 .05 .04 .02 .03 1.04 •98 .02 .01 1.12 .02 \*01 \*14 \*01 \*17 \*01 \*17 \*01 \*17 \*01 \*13 \*01 \*16 \*01 \*16 \*01 \*16 \*01 \*17 \*01 \*15 .01 .04 .02 .04 .03 .05 .07 .06 .04 .07 .03 .01 .05 .05 .04 .02 .04 .02 .01 .01 .01 .01 .01 NR .01 .01 .02 .05 .04 .02 .03 .04 .02 .02 .02 .02 .03 .03 .03 .04 NR .61 .63 .60 .75 .01 .01 •06 •03

45 Slates, Henry

.68

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Page 6

MONTHLY SUMMARY OF PRECIPITATION FOR DECEMBER, 1938 BY DAYS ENDING AT 8:00 a.m.

DATE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Total

HARRISON COUNTY NO. 16 3 Fierbaugh, Robert
8 Engel, Leland
9 Naylor, Frank M.
11 Devis, Charles I.
12 Starm, George
16 McElroy, F. A.
17 Moyer, R. E.
18 Beck, Arthur S.
20 Baker, Dean B.
22 Dearman, Fred
25 Parrett, William
27 Henderson, A. G.
31 Elack, Clen E.
22 Talbott, Melvin E.
40 Yarnell, R. A.
41 Edwards, Charles O.
42 Kirkpatrick, W. H. .02 .02 .03 .02 .03 .02 .03 .01 .06 .03 .07 .02 .02 .03 .02 .02 .05 .04 .02 .02 .03 1.28 1.04 1.21 .02 .14 .02 .13 .02 .13 .01 .12 .01 1.28 .01 .01 .01 .01 .02 .01 .01 .02 .01 .73 .57 .67 .74 .69 .75 .78 .62 .77 .79 .74 .68 .02 .12 .01 NR .02 .12 NR .12 .02 .12 .02 .09 NR .13 .02 .13 .03 .13 .05 .10 .02 .11 .04 .05 .02 .03 .02 .04 .04 .06 1.37 .07 .03 .04 .03 1.31 .08 .01 .08 .02 .08 .02 .09 .02 .07 .02 1.61 1.41 1.33 1.45 .04 .02 .07 .02 .03 .02 LICKING COUNTY NO. 17 32 .03 .12
.34 .01 .08
.38 .01 .07
.29 .09
.31 .09
.30 .10
.33 .11
.21 .11
.22 .09
.37 .01 .06
.27 .07
.25 .11
.22 .10
.37 .01 .10
.39 .01 .10
.39 .01 .10
.39 .01 .10
.39 .01 .10
.39 .01 .10
.39 .01 .10
.39 .01 .10
.39 .01 .10
.39 .01 .10
.39 .08
.20 .01 .10 .01 .07 .09 .02 .02 .01 .07 .07 .02 .01 .09 .07 .02 .01 .09 .02 .04 .01 .02 .05 .05 .05 .01 .01 .05 .05 .04 .01 .05 .05 .04 .01 .05 .05 .04 .01 .05 .05 .04 .01 .05 .05 .04 .01 .05 .05 .04 .01 .05 .05 .04 .01 .05 .05 .04 .01 .05 .05 .06 .01 .05 .05 .06 .01 .05 .05 .06 .01 .05 .05 .06 .01 .05 .05 .06 .01 .05 .06 .05 .01 .05 .06 .05 .01 .05 .06 .05 .01 .05 .06 .01 .07 .09 .07 .05 .01 .13 .05 .06 .01 .12 .09 .07 .05 .01 .13 .05 .06 .01 .12 .09 .02 2 Clayton, Otis R.
4 Riley, Mrs. Myrtle
5 Wagner, Fred
7 Richards, Clyde A.
8 Bovard, Howard
9b Eurrell, Harvey .62 .63 .67 .69 .81 .89 .65 .84 .83 .72 .81 .87 .60 .65 1.33 .01 .01 NR 8 Bovard, Howard
9b Eurrell, Harvey
16 Mile, John
22 Priest, Everett
24 Ashcraft, Wayne
28 Edgerley, Raymond
31 Lambert, Frank
33 Stickle, W. M.
36 Brown, Leland E.
37 Farric, Kirby
39 Peck, Coda
41 Maxwell, Kenneth
46 Wright, David A.
52 Lane, Leonard W.
56 Wilson, Harold F.
57 Scoles, Louis
58 Weiant, Carl A., Jr.
61 Mossholder, Floyd
62 Whitehead, Frank
64 Elder, Claude
66 Sunkle, Raymond
68 Worth, J. F.
72 Cheek, Howard
78 Cain, Harold C.
81 RitherCord, John W.
82 Parr, Harry F.
86 Stires, Mrs. Merle
87 Tharp, Thurston
92 Balo, W. L.
95 Hamilton, R. M.
99 Ketner, Frederick
100 Langel, Welson
102 Roderick, Leo
103 Harilton, Meredith 1.53 1.30 1.32 1.38 1.36 1.39 1.48 1.43 1.31 .01 .01 .01 .01 .01 .01 .01 .03 .03 .02 .01 .01 1.56 1.39 1.43 .86 .01 .15 .05 .02 .17 .04 .02 .21 .85 1.38 •08 .01 .29 .01 .10 .28 .01 .10 .27 .01 .10 .26 .01 .02 .22 .10 .16 .14 .23 .01 .09 .21 .08 .23 .22 .24 .01 .11 .23 .01 .09 \* .01 .82 .01 NR NR .80 .91 .77 .84 NR .84 .72 .79 .78 .85 .79 .56 .01 NR .01 .01 NR .02 .01 NR NR NR NR 1.39 .01 .02 .01 NR 1.65 1.39 1.44 .02 .01 .01 .02 NR NR .12
.21 .01 .09
.18 .01 .08
.18 .01 .08
.01 .19 .01 .06 .02 NR .03 1.51 1.50 1.52 1.37 .89 .01 MUSKINGUM COUNTY NO. 18 7 Hogue, Floyd

12 Baker, Walter J.

14 Cullins, H. E.

16 Freshwater, Harry O.

20 Castor, Wilmer

24 Whyde, Clarence O.

25 Dayton, Lewis W.

27 Cornell, John

22 Evans, Oliver F.

35 Patterson, E. C.

36 Fradley, Tom O.

48 Johnson, C. H.

50 Moses, C. F.

28 Nettelhorst, M. A.

53 Foster, Roy T.

55 Weidig, Clarence J.

58 Hobbs, Den D.

60 Busch, D. L.

64 Bone, L. D.

65 Neff, Claude C.

66 Frown, John F. .01 .17 .02 .22 .01 .11 .01 .13 .01 .11 .01 .16 .01 .09 .01 .01 .01 .03 .01 •01 •11 •09 •07 •01 •13 •07 •06 •01 •07 •10 •06 •01 •11 •09 •06 •01 •10 •13 •07 •01 •09 •11 •03 .79 .77 .77 .81 .74 .07 .15 .06 .07 .08 .05 .04 .06 .09 .03 .07 .03 .07 1.36 1.46 1.22 1.35 1.32 1.32 1.44 1.45 1.41 .02 .01 .01 .02 .01 .02 .02 .02 .01 .01 .NR NR .01 .01 .03 .03 .03 .79 .85 .83 .81 .73 NR NR .01 .09 .01 .13 .01 .19 .01 .19 .01 .12 .04 .03 .03 .02 •03 .01 .04 .04 NR .02 .09 .02 .13 .02 .14 .03 .04 .03 .02 .03 .04 .01 NR .01 1.47 .87 .02 .13 .09 .93 .80 .81 NR .25 .79 .85 .85 .84 .80 .83 .82 .83 .81 .79 .01 1.60 NR 1.36 .03 .03 .04 NR .06 .07 .04 .03 .02 .03 .02 .04 .01 .03 .05 .03 .02 .02 .02 .02 .02 .04 .02 .03 .02 .02 .04 .02 .02 .03 .03 .03 .03 .01 Neff, Claude C.
Frown, John F.
Graham, Joseph C.
Elliott, P. D.
Thompson, Dennis
Lee, William Ray
Lane, J. F.
Pettibone, Howard
Eschman, Mrs. Vaggie
Dozer, R. I.
Charnetzky, William
Elson, Carl
Winland, Arthur M.
Lane, Athur NR 1.58 1.56 1.42 1.48 1.41 1.39 .01 .01 .01 .01 .01 .01 .07 .03 .03 .05 .02 .03 .04 NR 1.36 1.41 90 Lane, Arthur 95 Wilson, Edgar .01 .71 GUERNSEY COUNTY NO. 19 | 02 | 09 | 09 | 11 | 02 | 15 | 15 | 13 | 16 | 02 | 12 | 13 | 16 | 01 | 12 | 13 | 14 | 02 | 17 | 02 | 10 | 01 | 17 | 02 | 10 | 01 | 17 | 02 | 10 | 01 | 13 | 13 | 13 | 14 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 11 | 11 | 10 | 11 | 11 | 10 | 11 | 11 | 10 | 11 | 11 | 10 | 11 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 Booth, F. L.
4 Domen, Elgy P.
5 Wilson, Elwood C.
6 George, F. Ray
7 Davidson, J. B.
8 Andr., J. A.
10 Yeager, Earl
15 Patterson, J. W.
12 Dihocel, John
19 White, Eamett
27 Erler, Robert
30 Yarmell, Wilmer Roy
31 Nelson, Samuel
36 Prister, Charles
30 Fuller, Guy C.
41 Crubbs, Homer E. 1.31 1.54 1.41 1.40 1.44 1.48 •04 •02 .72 .76 .76 .77 .75 .81 .76 .72 .79 .93 .80 .75 .75 .04 .03 .01 .05 .01 .07 .05 .01 .04 .01 .03 .04 .05 .05 .05 .03 .04 .05 .05 .01 .01 .01 .02 .01 .01 .01 .01 .01 .05 .05 .05 .05 .05 .05 .03 .02 1.39 1.37 1.45 1.45 .02 .13 .02 .14 .02 .11 .02 .10 .01 .09 .06 .03 .01 .03 .01 .04 .04 .02 .01 1.39 1.40 .06

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NAME

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MONTHLY SUMMARY OF PRECIPITATION FOR DECEMBER, 1938 BY DAYS ENDING AT 8:00 a.m.

DATE STA. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Total NAME GUERNSEY COUNTY NO. 19 \*\*C1 .10 .16 .07
\*\*C1 .11 .14 .08
\*\*NR NR NR NR
\*\*O2 .09 .16 .11
\*\*O1 .10 .14 .08
\*\*O1 .13 .15 .07
\*\*NR NR NR NR
\*\*O7 .03 .11 .15 .08
\*\*O5 .12 .17 .05 46b Oliver, Ralph
47 Jeeper, Robert J.
60 Stiers, Thomas E.
62 St. Clair, Harold
67 Starm, J. C.
68 Kackley, Vermon
74 Koontz, H. A.
75 Deeren, Frank
77 Yoho, Charles L. MR NR .01 .03 .04 .02 .02 .02 .01 1.30 .09 .07 .01 .01 .02 .01 .01 .06 .04 .05 .06 .05 .02 .05 .76 NR .01 .65 .76 .81 .81 .76 1.21 1.29 1.32 .10 .07 .12 .12 NR BELYONT COUNTY NO. 20 2 Hammel, F. M. 6 Bethel, Durwood 10 Newhart, Lester R. •03 •01 •03 •01 •04 •05 NR •07 .01 .09 .15 MR .01 .08 .10 NR .02 .09 .14 .19 .80 .74 NR •01 FAIRFIELD COUNTY NO. 21 4 Sellers, Walter W. .02 .22 .01 .10 | 10 Wright, Price C. .02 .22 .08 . | PERRY COUNTY NO. 22 3 Amspeugh, Irvin E.
5 Rusk, John S.
7 Cooperrider, Ira F.
9 Cotterman, C. F.
15 Caywood, Augusta
17 Harmer, Albert J.
13 Wilson, Manson H.
23 O'Hare, Fred
28 Price, E. I.
29 Starner, Samuel P. NR NR NR NR .23 ,12 ,02 .18 .20 .01 .22 .18 .03 .25 .19 .02 .19 .16 .02 .01 .18 .01 .18 .01 .18 .01 .18 .01 .18 .01 .25 .18 .01 .25 .18 .03 NR -86 •02 NR .11 .07 .05 .12 .06 .06 .07 .05 .06 .02 .22 .01 .16 1,56 NR •38 •78 .01 .02 .01 .02 1.69 •01 •10 •01 •23 •01 •21 •01 •17 •16 •18 PR NR .01 .02 .01 .01 .01 .02 .01 .01 .77 .86 .35 .88 1.42 1.55 1.52 1,66 MORGAN COUNTY NO. 23 4 Wilson, H. C.
11 James, Norman M.
19 Davis, Floyd
36 Brockener, Reed .02 .04 .04 NR NR •13 •01 •01 •19 •15 •01 •01 •25 •14 •01 •21 •22 NR 1.43 NOBLE COUNTY NO. 24 3 Edgar, Dean
5 Morrison, Donald
9 Wehr, John
12 Shafer, McRay
17 West, Stanley
18 Nichelson, Hugh
23 Hedge, L. E.
24 Paker, Ira
26 Clark, Mary
30 McKee, Roscoe
31 Tilton, Alden D.
38 Wickham, Irving
43 Raney, Dean C. 01 .11 .16 .11 .16 .14 .10 .01 .15 .17 .10 .01 .11 .20 .08 .05 .12 .23 .05 .02 .13 .16 .05 .04 .11 .20 .04 .02 .12 .20 .03 .02 .03 .02 .01 .04 .03 NR .03 .13 .09 .11 .12 .08 NR .08 .08 .69 .76 NR .74 .73 .71 .74 1.35 .03 .06 .05 .06 .06 .08 .03 .03 .03 .NR .NR .NR .02 .02 1.34 1.25 NR NR .01 .14 .25 NR NR .71 .69 .62 NR •11 •10 NR •12 •18 •12 .01 .01 .01 NR NR NR NR NR .01 .15 .20 .03 .02 .15 .25 .02 .01 .13 .24 .02 1.37 MONROE COUNTY NO. 25 3 Brownfield, Sherman E.
S1 McGee, Fred
S2 Lee, W. W.
S5 Warner, Charles U.
S6 Spence, W. B.
S7 Miller, Roy F.
S10 Young, Mrs. Charles C.
S13 Law, dames H.
S15 Somers, N. D.
S16 House, J. H.
S17 Thompson, Cladys
S19 Christman, Lee .02 .10 .18 .08 .02 .08 .14 .13 .13 .13 .07 .01 .11 .18 .08 .01 .08 .28 .05 .01 .13 .20 .08 .01 .07 .22 .07 .01 .10 .16 .11 .01 .14 .21 .09 .01 .08 .14 .13 .01 .08 .16 .11 .02 .12 .22 .10 1.37 1.24 1.21 1.20 1.21 1.37 1.35 1.30 .03 .02 .02 .01 •03 •01 •02 •01 •01 •73 •69 •69 •67 13 10 10 10 11 11 12 14 14 12 11 R NR •07 •05 •05 •02 .03 .06 .02 .03 .05 .04 .NR •06 .00 .03 .08 .03 .03 .02 .NR NR •01 •03 •01 •02 •01 NR •02 •73 •71 •71 •73 •73 •69 •69 NR NR 1.37 ATHENS COUNTY NO. 26 1 Strode, C. I. .12 .05 NR NR NR .17 .24 .72 WASHINGTON COUNTY NO. 27 .06 .08 .07 .13 .15 .16 .22 .07 .03 .03 .02 .02 .01 .02 .04 .01 •07
•12
•10
•11
•12
NR
•08
•11
•07 3 Robinson, L. L.
5 Stutes, A. P.
7 King, Albra A. .01 .01 .01 .01 •56 •66 •54 •61 •63 NR 1.03 1.34 1.11 1.36 1.35 7 King, Albra A.
17 Murdock, J. D.
18 Creen, Melvin R.
20 Lang, J. E.
21 Savage, Don C.
25 Hellingsworth, W. E.
31 Rankin, O. B. •56 •60 •45 DELAWARE COUNTY NO. 28

1 Lane, George

•35 •03 •08

01 00 NR NR 61 01 001

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